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Application Number	10/089,787
Filing Date	April 3, 2002
First Named Inventor	El-Sherbeini, Mohamed
Group Art Unit	1645
Examiner Name	Devi, S.
Attorney Docket Number	20522P

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Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office	Number	Kind Code (if known)		
SD	A	PCT	WO 96/40893		Astra Aktiebolag	12/19/1996
	B	PCT	WO 01/70955		Elitra Pharmaceuticals, Inc.	09/27/2001
	C	PCT	WO 98/18931		Human Genome Sciences, Inc.	05/07/1998
	D	PCT	WO 99/61050		Merck & Co., Inc.	12/02/1999
SD	E	EPO	EP0 897 007		Smithkline Beecham Corporation	02/17/1999

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			COMPLETE IF KNOWN		
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NON PATENT LITERATURE DOCUMENTS			TECH CENTER 1600/2900
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.	
SD	A	Genbank Accession No. AB007500, Wada, A., et al. "Penicillin-binding protein 1 of Staphylococcus aureus is essential for growth".	
	B	Genbank Accession No. AF034153, El-Sherbeini, M. et al. "Cloning and characterization of the Staphylococcus aureus mraY gene encoding Phospho-N-Acetylmuramoyl-Pentapeptide Translocase".	
	C	Genbank Accession No. U94706, Pucci, M.J., et al. "Identification and characterization of cell wall-cell division gene clusters in pathogenic gram-positive cocci".	
	D	Bouhss, Ahmed et al. "Topological analysis of the MraY protein catalysing the first membrane step of peptidoglycan synthesis". MOLECULAR MICROBIOLOGY, (1999), 34(3), PP. 576-585.	
	E	Boyle, David et al. "mraY Is an Essential Gene for Cell Growth in Escherichia coli". JOURNAL OF BACTERIOLOGY, Dec. (1998), PP. 6429-6432.	
	F	Azzolina, Barbara et al. "The Cell abd Cell Division Gene Cluster in the Mra Operon of Pseudomonas aeruginosa: Cloning, Production, and Purification of Active Enzymes". PROTEIN EXPRESSION AND PURIFICATION, (2001), 21, PP. 393-400.	
	G	Brandish, Philip et al. "Slow Binding Inhibition of Phospho-N-acetylmuramyl-pentapeptide-translocase (Escherichia coli) by Mureidomycin A". THE JOURNAL OF BIOLOGICAL CHEMISTRY, (1996), Vol. 271, No. 13, PP. 7609-7614.	
	H	Bugg, T.D.H. et al. "Intracellular Steps of Bacterial Cell Wall Peptidoglycan Biosynthesis: Enzymology, Antibiotics, and Antibiotic Resistance". NATURAL PRODUCT REPORTS, (1992), PP. 199-215.	
	I	El-Sherbeini, Mohamed et al. "Cloning and expression of Staphylococcus aureus and Streptococcus pyogenes murD genes encoding uridine diphosphate N-acetylmuramoyl-L-alanine:D-glutamate ligases". GENE, (1998), 210, PP. 117-125.	
	J	Ikeda, Masato et al. "The Escherichia coli mraY Gene Encoding UDP-N-Acetylmuramoyl-Pentapeptide: Undecaprenyl-Phosphate Phospho-N-Acetylmuramoyl-Pentapeptide Transferase". JOURNAL OF BACTERIOLOGY, (1991), PP. 1021-1026.	
	K	Inukai, Masatoshi et al. "Selective Inhibition of the Bacterial Translocase Reaction in Peptidoglycan Synthesis by Mureidomycins". ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, (1993), PP. 980-983.	
	L	Liao, Xiaowen et al. "Physical mapping of 32 genetic markers on the Pseudomonas aeruginosa PAO1 chromosome". MICROBIOLOGY, (1996), 142, PP. 79-86.	
	M	Pless, Dorothy D. et al. "Initial Membrane Reaction in Peptidoglycan Synthesis". THE JOURNAL OF BIOLOGICAL CHEMISTRY, (1973), Vol. 248, No. 5, PP. 1568-1576.	
	N	Pucci, Michael et al. "Identification and Characterization of Cell Wall-Cell Division Gene Clusters in Pathogenic Gram-Positive Cocci". JOURNAL OF BACTERIOLOGY, (1997), PP. 5632-5635.	
SD	O	"Biosynthesis of peptidoglycan". Microbial Cell Walls and Membranes, H.J. Rogers et al., eds. (London: Chapman and Hall), (1980), PP. 238-296.	

Examiner Signature		Date Considered	December 03
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